

CARTE DES SOLS - SOIL MAP
COMTE DE MISSISQUOI COUNTY
QUEBEC

Scale 1 mile to 1 inch or 1:63,360 Echelle 1 mille au pouce ou 1:63,360
Contour interval 25 feet Equidistance des courbes de niveau: 25 pieds
All Elevations in Feet above Mean Sea Level. Les hauteurs sont données en pieds au-dessus du niveau moyen de la mer.

SOIL LEGEND

SOILS OF THE APPALACHIAN UPLAND DEVELOPED FROM TILL

SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP
Acot sandy loam	sandy loam to loam till derived from slate	good	rolling to hilly	P
Acot sandy loam - shallow phase	"	"	level to undulating	P
Magog loam	"	"	"	P
Berkshire loam	sandy loam to loam till derived from dolomitic materials	good	strongly rolling to hilly	P
Berkshire loam - shallow phase	"	"	rolling to hilly	P
Blandford loam	"	"	sloping	P
Blandford gravelly loam	"	"	imperfect	P
Blandford sandy loam	"	"	"	P
Woodbridge loam	"	"	"	P
Woodbridge loam - shallow phase	"	"	"	P
Peru loam	"	poor	"	P
Racine sandy loam	reworked sandy loam till derived largely from slate and sandstone	good	undulating to hilly	P
Racine sandy loam - shallow phase	"	"	undulating to gently undulating	P
Brompton sandy loam	"	poor	gently undulating	H
Brompton gravelly loam	"	"	"	H
Roxton silty sandy loam	sandy loam till derived from slate and sandstone	good	terraces	P
Mawcock sandy loam	"	poor	level to undulating	H
Mawcock gravelly sandy loam	"	"	"	H
Shefford shaly loam	shaly loam to loam till derived from soft shale and slate	good	undulating to gently rolling	P
Shefford shaly loam - shallow phase	"	"	"	P
Milton sandy loam	"	poor	level to gently undulating	H

SOILS OF THE APPALACHIAN AREA DEVELOPED FROM WATER DEPOSITED MATERIALS

SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP
Cotton sandy loam	outwash sands and gravels	good to excess	rolling to hilly	P
St. Francis sandy loam	outwash coarse sands poorly sorted gravelly material in kames and eskers	"	kamey	P
Knowledge gravelly sandy loam	stratified gravelly material in kames	"	sloping	P
Rougemont gravelly loam	"	"	"	P
Sheddon sandy loam	alluvial sands over clay loam to silt loam material	good	"	P
Suffield loam	"	"	"	P
Milby sandy loam	recently deposited alluvium	"	"	A
Milby silty loam	"	"	imperfect	A
Alluvial soils - undifferentiated	"	"	por	A
Walsh	"	"	"	P
Pel	"	"	"	P

SOILS ON THE ST. LAWRENCE PLAIN DEVELOPED FROM WATER DEPOSITED MATERIALS

SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP
Ste. Sophie sand	deep sands over clay	good to excess	undulating to gently undulating	P
Rubicon sandy loam	Rubicon fine sandy loam	variable	"	GP
St. Damase silty loam	shallow sandy deposits over clay	imperfect	"	I
Yamaska silty loam	alluvio-lacustrine clay loam to till loam deposits	"	level to gently undulating	I
Yamaska fine sandy loam	"	"	"	I
Richelieu clay loam	alluvio-lacustrine silty clay loam to clay deposits	"	"	I
Richelieu sandy clay loam	"	"	"	I
Richelieu fine sandy loam	iberiville clay loam	"	"	I
St. Rosalie clay loam	lacustrine-marine clays	imperfect	level to gently undulating	I
St. Rosalie heavy clay loam	"	"	"	I
St. Rosalie loam	"	"	"	I
St. Rosalie clay loam - calcareous phase	"	"	"	I

SOILS ON THE ST. LAWRENCE PLAIN DEVELOPED FROM TILL

SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP
St. Sebastian shaly loam	loam to clay loam till derived largely from shale and slate	good	undulating	P
St. Sebastian shaly clay	"	"	"	P
Henryville loam	loam to clay loam till derived from underlying calcareous materials	good	undulating to gently undulating	P
Bedford clay loam	"	poor	gently undulating to undulating	I
St. Brigitte clay loam	"	"	"	I
St. Brigitte sandy loam	reworked sandy loam till derived from slate and limestone	imperfect	level to undulating	I
Farmington loam	"	"	"	I

MISCELLANEOUS SOILS

NAME	DESCRIPTION	DRYING	WETTING	SOIL TYPE
Iron Hill gravel	shallow gravel derived from variety of materials	good	broken to broken	L
Rough stony land	well decomposed organic deposits	variable	broken to broken	Land type
Muck	"	poor	level to depressional	B
Shallow Muck	"	"	"	B
Peat	poorly decomposed organic deposits	"	"	B
Swampy land	thin organic accumulations over mineral soil material	"	depressional	H

COMPLEXES

NAME	DESCRIPTION	DRYING	WETTING	SOIL TYPE
Mi-S	Henryville-Bedford complex	H-Bd		
St. Sebastian-St. Rosalie complex	St. Sebastian-St. Rosalie complex	Se-R		
A	Azonal Soils	P	Podsol	I - Immature Soils
B	Bog Soils	G	Groundwater Podsol	L - Lithosols
H	Half Bog Soils	B	Brown Podsol	

CONVENTIONS

SOIL SYMBOL	Name	Texture	Stoniness	Topography
0	Stone free	0	0	0
1	Occasional stones	1	1	1
2	Stones numerous but do not interfere with cultivation	2	2	2
3	Stones numerous, many boulders	3	3	3
4	Too rocky for cultivation, suitable for rough pasture	4	4	4
5	Rocky and stony land, outcrops of bedrock	5	5	5

0 - Stone free
1 - Occasional stones
2 - Stones numerous but do not interfere with cultivation
3 - Stones numerous, many boulders
4 - Too rocky for cultivation, suitable for rough pasture
5 - Rocky and stony land, outcrops of bedrock

0 - Level to gently undulating
1 - Gently undulating to undulating
2 - Undulating to rolling
2a - Kame
3 - Rolling to hilly
4 - Hilly
5 - Mountainous

0 - Level to gently undulating
1 - Gently undulating to undulating
2 - Undulating to rolling
2a - Kame
3 - Rolling to hilly
4 - Hilly
5 - Mountainous

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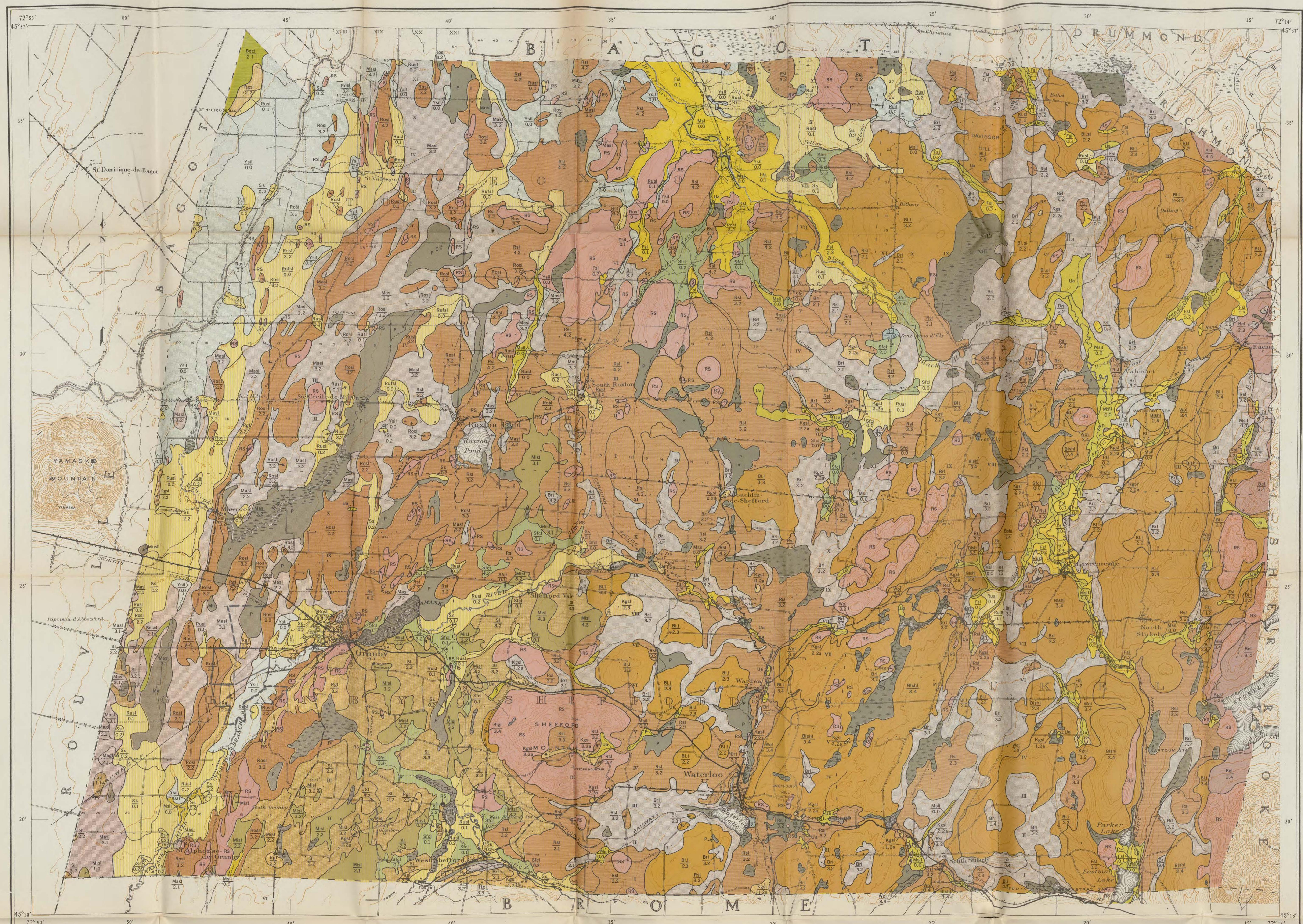
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0 - Level to gently undulating
1 - Gently undulating to undulating
2 - Undulating to rolling
2a - Kame
3 -

CARTE DES SOLS - SOIL MAP
COMTE DE SHEFFORD COUNTY
QUEBEC



SOILS OF THE APPALACHIAN UPLAND DEVELOPED FROM TILL					
SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP	
Asot sandy loam	sandy loam to loam till derived from glacial materials	good	rolling to hilly	P	
Asot sandy loam - shallow phase	"	"	"	P	
Magoc loam	"	"	level to undulating	P	
Berkshire loam	sandy loam to loam till derived from schistose materials	good	strongly rolling to hilly	P	
Berkshire loam - shallow phase	"	"	"	P	
Blandford loam	"	"	strongly rolling to hilly	P	
Blandford loam - shallow phase	"	"	"	P	
Blandford gravelly loam	"	"	imperfect	P	
Blandford sandy loam	"	"	"	P	
Woodbridge loam	"	"	"	P	
Woodbridge loam - shallow phase	"	"	"	P	
Peru loam	"	poor	"	H	
Racine sandy loam	reworked sandy loam till derived largely from slate	good	undulating to hilly	P	
Reine sandy loam - shallow phase	"	"	"	P	
Brompton sandy loam	"	poor	undulating to gently undulating	H	
Brompton gravelly loam	"	"	"	H	
Roxton stony sandy loam	sandy loam till derived mainly from slate and sandstone	good	terraces	P	
Mawcock sandy loam	"	poor	level to undulating	H	
Mawcock gravelly sandy loam	"	"	"	H	
Shefford stony loam	shaly loam to loam till derived from slate and shale	good	undulating to gently rolling	P	
Shefford stony loam - shallow phase	"	"	"	P	
Milton sandy loam	"	poor	level to gently undulating	H	

SOILS ON THE ST. LAWRENCE PLAIN DEVELOPED FROM TILL					
SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP	
St. Sebastian stony loam	loam to clay loam till derived from shale and slate	good	undulating	P	
St. Sebastian stony clay	"	"	"	P	
Henryville loam	loam to clay loam till derived from underlying calcareous rocks	"	"	P	
Bedford sandy clay loam	"	poor	gently undulating to undulating	I	
Bedford clay loam	"	"	"	I	
Ste. Brigitte clay loam	reworked sandy loam to loam derived from slate and limestone	imperfect	level to undulating	I	
Ste. Brigitte sandy loam	"	"	"	I	
Farmington loam	shallow loam over limestone bedrock	good	broken	P	

SOILS OF THE APPALACHIAN AREA DEVELOPED FROM WATER DEPOSITED MATERIALS					
SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP	
Cotton sandy loam	outwash sands and gravel	good to excess	undulating to rolling	P	
St. Francis sandy loam	outwash coarse sands poorly sorted gravelly material in kames and eskers	"	"	P	
Regemont gravelly sandy loam	stretified gravelly material in kames	"	sloping	P	
Rougemont gravelly loam	"	"	"	P	
Sheldon sandy loam	alluvial sands over clay	good	"	P	
Suffield loam	clay loam to silty loam material	"	"	P	
Suffield clay loam	"	"	"	P	
Milby sandy loam	recently deposited alluvium	level	"	A	
Milby silt loam	"	imperfect	"	A	
Alluvial soils - undifferentiated	"	poor	"	A	

SOILS ON THE ST. LAWRENCE PLAIN DEVELOPED FROM WATER DEPOSITED MATERIALS					
SOIL NAME	PARENT MATERIAL	DRAINAGE	TOPOGRAPHY	GROUP	
Ste. Sophie silty loam	deep sands over clay	good to excess	undulating to gently undulating	P	
Rubicon sandy loam	"	"	"	P	
Rubicon fine sandy loam	"	"	"	P	
St. Damase stony loam	shallow sandy deposits over clay	imperfect	"	I	
Yamaska silt loam	alluvio-lacustrine clay loam to silty loam deposits	"	level to gently undulating	I	
Yamaska fine sandy loam	"	"	"	I	
Richelieu clay loam	alluvio-lacustrine silty clay loam to clay deposits	"	"	I	
Richelieu sandy clay loam	"	"	"	I	
Richelieu fine sandy loam	"	poor	level to depressional	H	
Iberville clay loam	"	"	"	I	
Ste. Rosalie clay loam	lacustrine-marine clays	imperfect	level to gently undulating	I	
St. Rosalie heavy clay loam	"	"	"	I	
St. Rosalie loam	"	"	"	I	
St. Rosalie clay loam	citostemous phase	"	"	I	

MISCELLANEOUS SOILS					
Iron Hill gravel	shallow gravel derived from syenite	good	rolling to broken	L	
Rough stony land	variety of materials	variable	"	Land type	
Muck	well decomposed organic deposits	poor	level to depression	B	
Shallow Muck	"	"	"	B	
Peat	poorly decomposed organic deposits	"	"	B	
Swampy land	thin organic accumulations over mineral soil material	"	depressional	H	

COMPLEXES					
Milton-Shefford complex	MI-5	Henriville-Bedford complex	H-Bd	St. Sébastien-St. Rosalie complex	Se-R

GREAT SOILS GROUPS					
A - Azonal Soils	P - Podzol	I - Immature Soils			
B - Bog Soils	GP - Groundwater Podzol	L - Lithosols			
H - Half Bog Soils	BP - Brown Podzolic Soils				

CONVENTIONS					
SOIL SYMBOL:	Name	Texture	Stoniness	Topography	
STONINESS	0 - Level to gently undulating	0 - Level to gently undulating			
1 - Occasional	1 - Gentle undulating to undulating	1 - Gentle undulating to undulating			
2 - Numerous	2 - Numerous but do not interfere with cultivation	2 - Impediment to rolling			
3 - Numerous, many boulders	3 - Too stony for cultivation, suitable for rough pasture	3a - Rolling to hilly			
4 - Too stony for cultivation, suitable for rough pasture	4 - Too stony for cultivation, suitable for rough pasture	4a - Hilly			
5 - Rough and stony land, outcrops of bedrock	5 - Terrain rocheux et accidenté, affleurements rocheux	5a - Montagneux			
6 - Rock outcrop	6 - Rock outcrop	6a - Montagneux			

TOPOGRAPHY					
0 - Stone-free	0 - Jusqu'à légèremment ondulé				
1 - Occasional	1 - Généralement ondulé				
2 - Numerous	2 - Peu nombreuses, mais n'empêchent pas la culture				
3 - Numerous, many boulders	3 - Nombreuses, trop cailloux				
4 - Too stony for cultivation, suitable for rough pasture	4 - En forme de kame				
5 - Terrain rocheux et accidenté, affleurements rocheux	5 - Montagneux				
6 - Rock outcrop	6 - Montagneux				

REFERENCE					
Chêne noir épaisseur	Épaisseur des chênes noirs	épaisseur de la couche de sol sur la chêne noir			
Schêne	Chêne	épaisseur des chênes			
Sew mill	Meule à bois	épaisseur de la couche de sol sur la meule à bois			
Grist mill	Meule à grains	épaisseur de la couche de sol sur la meule à grains			
Oiler mill or factory	Meule à huile	épaisseur de la couche de sol sur la meule à huile			
Cemetery	Cimetière	épaisseur de la couche de sol sur la couche de cimetière			
Sand or gravel pit	Carrière de sable et de gravier	épaisseur de la couche de sol sur la carrière de sable et de gravier			
Rapides	Rapides	épaisseur de la couche de sol sur les rapides			
Post overbank	Post overbank	épaisseur de la couche de sol sur la post overbank			
Bedrock	Bedrock	épaisseur de la couche de sol sur la roche-mère			
Cliff	Cliff	épaisseur de la couche de sol sur la falaise			
Chêne noir	Chêne noir	épaisseur de la couche de sol sur le chêne noir			
Chêne	Chêne	épaisseur de la couche de sol sur le chêne			
Chêne	Chêne	épaisseur de la couche de sol sur le chêne			
Chêne	Chêne	épaisseur de la couche de sol sur le chêne			
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